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said cavity being in said intermediate member, a piston, said piston being in said cavity to define a chamber, connect means to connect said piston to said spring and pressurization means to pressurize said chamber to move said spring from its position biasing said mechanical activator in one of said first or second positions to the other of said first or second positions.

Claim 2. The brake of claim 1 characterized in that said spring is in said cavity.

Claim 3. The brake of claim 2 characterized in that said spring is on the opposite side of said mechanical activator from said piston.

Claim 4. The brake of claim 1 characterized in that said mechanical activator is a pivoting lever.

Claim 5. The brake of claim 3 characterized in that said mechanical activator is a pivoting lever.

Claim 6. The brake of claim 1 characterized in that said piston includes a pressure plug, a spring plug and a bypass means interconnecting same, said pressure plug being

adjacent to said chamber, and said spring plug being adjacent to said spring.

Claim 7. The brake of claim 6 characterized in that said mechanical activator includes a section located between said pressure plug and said spring plug within said bypass means.

Claim 8. The brake of claim 7 characterized in that said mechanical activator is a lever, and said lever being in contact with said spring plug.

Claim 9. The brake of claim 1 characterized by the addition of a deactivating means, and said deactivating means deactivating said bias means.

Claim 10. The brake of claim 9 characterized in that said deactivating means is between said spring and said intermediate member.

Claim 11. The brake of claim 9 characterized in that said deactivating means is a rotating cam.

Claim 12. The brake of claim 1 characterized by the addition of a stop, said stop being located to stop movement of said spring beyond said other of said first or second positions.

Claim 13. The brake of claim 1 wherein the shaft is rotated by a hydraulic pressure motor with a pressurized input and characterized by the addition of line means to fluidically connect said chamber pressurized line of the hydraulic pressurized motor.

Claim 14. The brake of claim 13 wherein the hydraulic pressurized motor has two inputs either one of which might be pressurized and characterized by said line means being connected to both inputs such that the pressurization of either will pressurize said chamber to move said piston.

Claim 15. The brake of claim 1 characterized in that the shaft has an axis, said cavity has an axis, and said axis of said cavity being substantially perpendicular to said axis of the shaft.

Claim 16. The brake of claim 15 characterized in that said axis of said cavity being offset from said axis of said shaft.

Claim 17. The brake of claim 16 characterized in that said intermediate member is substantially of a single piece construction.

Claim 18. A brake for a rotatable shaft rotatively supported to a frame by an intermediate member, the brake comprising a friction surface, said friction surface being connected to the shaft, a brake member, said brake member being movably connected to the intermediate member, a mechanical activator, said mechanical activator being mounted to said intermediate member for movement between first and second positions, one of said first or second positions moving said brake member into contact with said friction surface to impede the rotation of the shaft, a cavity, said cavity being in said intermediate member between the mechanical activator and the other end of said cavity, said cavity having two ends, said mechanical activator extending into said cavity, a spring, said spring being in said cavity between said mechanical activator and one end of said cavity, bias means to connect said spring to one end of said cavity to bias said mechanical activator in

one of said first or second positions, a piston, said piston being in said cavity to define a chamber, connect means to connect said piston to said spring and pressurization means to pressurize said chamber to move said spring from its position biasing said mechanical activator in one of said first or second positions to the other of said first or second positions.

Claim 19. The brake of claim 18 characterized in that said mechanical activator is a pivoting lever.

Claim 20. The brake of claim 18 characterized in that said piston includes a pressure plug, a spring plug and a bypass means interconnecting same, said pressure plug being adjacent to said chamber, and said spring plug being adjacent to said spring.

Claim 21. The brake of claim 20 characterized in that said mechanical activator includes a section located between said pressure plug and said spring plug within said bypass means.

Claim 22. The brake of claim 21 characterized in that said mechanical activator is a lever, and said lever being in contact with said spring plug.

Claim 23. The brake of claim 21 characterized by the addition of a deactivating means, and said deactivating means deactivating said bias means.

Claim 24. The brake of claim 23 characterized in that said deactivating means is between said spring and said one end of said cavity.

Claim 25. The brake of claim 23 characterized in that said deactivating means is a rotating cam.

Claim 26. The brake of claim 18 characterized by the addition of a stop, said stop being located to stop movement of said spring beyond said other of said first or second positions.

Claim 27. The brake of claim 18 wherein the shaft is rotated by a hydraulic pressure motor with a pressurized input and characterized by the addition of line means to fluidically

connect said chamber pressurized line of the hydraulic  
pressurized motor.

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Claim 28. A brake actuator for a mechanical brake on  
a rotating shaft having an axis of rotation, the mechanical  
brake having an operating lever movable between first and  
second positions each producing a different activated condition  
of the brake, said brake comprising an actuating mechanism,  
said actuating mechanism having a cavity with an axis and two  
ends, said axis of said cavity being substantially  
perpendicular to and offset from the rotational axis of the  
shaft, the operating lever of the brake having a part in said  
cavity, a spring, said spring being in said cavity extending  
between an end of said cavity and said part of the operating  
lever so as to bias said lever in one of the first or second  
positions, a piston, said piston being in said cavity between  
the other end of said cavity and said part of the operating  
lever, bypass means to connect said piston to said spring with  
the capacity to overcome said bias of said spring, said piston  
in said cavity defining a chamber, and selective means to  
pressurize said chamber to overcome said bias of said spring  
providing the ability for the operating lever to move to the  
other of the first or second positions.

Claim 29. The brake of claim 28 characterized by the addition of stop means to prevent the overcompression of said spring.

Claim 30. The brake of claim 28 characterized by the addition of a deactivating cam, said deactivating cam being between said spring and an end of said cavity and said deactivating cam being movable so as to substantially eliminate said bias of said spring on the operating lever.

Claim 31. The brake of claim 28 characterized in that said bypass means includes said piston having two plugs axially spaced in said cavity on either side of said part of the operating lever and a bypass portion connecting said two plugs.

Claim 32. A brake for a rotatable shaft rotatably supported to a frame by an intermediate member, the brake comprising a mechanical activator, a cavity, said cavity being in said intermediate member, means for said mechanical activator to alter the condition of said brake, said cavity having an end, a deactivating cam, said deactivating cam being located at said end of said cavity, said deactivating cam having an activating and a deactivating surface, a spring, said spring being in said cavity between said deactivating cam and



said mechanical activator, and selective means to move said cam engaging said activating surface with said spring to spring bias said mechanical activator in respect to said end of said cavity.

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Claim 33. A brake for rotatable shaft rotatably supported to a frame by an intermediate member, the brake comprising a mechanical activator, a cavity, said cavity being in said intermediate member, said mechanical activator extending into said cavity, means for said mechanical activator to alter the condition of said brake, a piston, said piston being in said cavity, fluid means to move said piston from one to another position, said piston having a pressure plug and a spring plug interconnected by a bypass section, said mechanical activator being in said bypass section, and means to bias said piston in a position in respect to said cavity.

Claim 34. A brake for a rotatable shaft rotatably supported to a frame by an intermediate member, the brake comprising a cavity, said cavity being in the intermediate member, a piston, said piston being in said cavity defining a chamber, a brake including a friction surface connected to the shaft and shoes connected to the body thereof and a mechanical operating lever as an integral unit, means to mount said body

of said brake to said intermediate unit with said piston being in contact with said mechanical operating lever, and means to pressurize said chamber.

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